

10/507123

Amended claims in response the written opinion

of 15.10.2003 DT09 Rec'd PCT/PTO 10 SEP 2004

1. Acoustic construction element comprising sound  
5 insulating cavities (3) having a constant shape  
along an axis parallel to the exposed surface of the  
construction element (1), at least part of said  
cavities (3) being first cavities (3.1.a - 3.9.a)  
10 comprising a first portion, situated closest to the  
external surface of the element (1), having a  
smaller width than the maximum width of a second,  
internal portion of the cavity (3.1.a - 3.9.a), and  
at least part of said cavities (3) being second  
15 cavities having a substantially constant width over  
their entire depth, characterised in that  
at least part of said first cavities (3.1.a - 3.9.a)  
and at least part of said second cavities have  
different depths;  
at least part of said first cavities (3.1.a - 3.9.a)  
20 have different internal volumes and/or different  
internal shapes;  
at least part of said first (3.1.a - 3.9.a) and/or  
second cavities are completely or partially filled  
with sound insulating material.  
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2. Acoustic construction element according to claim 1,  
characterised in that at least part of the first  
cavities (3.1.a - 3.9.a) have an angular shape.
- 30 3. Acoustic construction element according to claim 1,  
characterised in that at least part of the first

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cavities (3.1.a - 3.9.a) have a pseudo-angular shape.

- 5 4. Acoustic construction element according to any one of claims 1 to 3, characterised in that at least 90% of said first (3.1.a - 3.9.a) and/or second cavities are completely filled with sound insulating material.
- 10 5. Acoustic construction element according to any one of claims 1 to 3, characterised in that at least 90% of said first (3.1.a - 3.9.a) and/or second cavities are partially filled with sound insulating material.
- 15 6. Acoustic construction element according to any one of claims 1 to 5, characterised in that said said first (3.1.a - 3.9.a) and/or second cavities are completely or partially filled with a foamed mineral product.
- 20 7. Acoustic construction element according to any one of claims 1 to 5, characterised in that said said first (3.1.a - 3.9.a) and/or second cavities are completely or partially filled with foamed clay, glass or pearlite.
- 25 8. Method for manufacturing acoustic construction elements according to any one of claims 1 to 7, characterised in that said elements (1) are manufactured in one step process, whereas the sound
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AMENDED SHEET

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